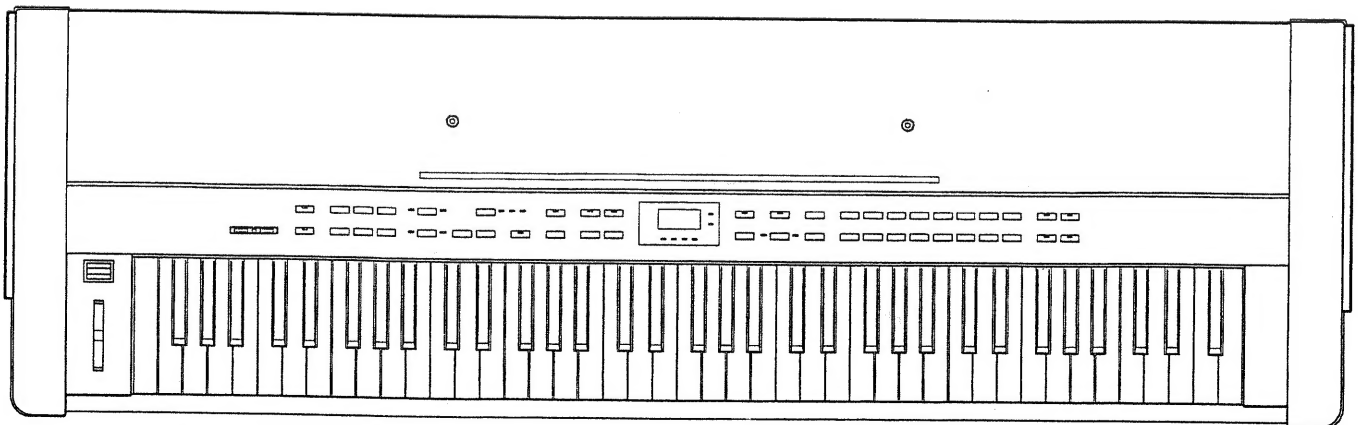



Roland

DIGITAL INTELLIGENT PIANO


KR-350

OWNER'S MANUAL





CAUTION
 RISK OF ELECTRIC SHOCK
 DO NOT OPEN



ATTENTION : RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

WARNING - When using electric products, basic precautions should always be followed, including the following:

1. Read all the instructions before using the product.
2. Do not use this product near water — for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.
3. This product should be used only with a cart or stand that is recommended by the manufacturer.
4. This product, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
5. The product should be located so that its location or position does not interfere with its proper ventilation.
6. The product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
7. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
8. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
9. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
10. The product should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled onto the product; or
 - C. The product has been exposed to rain; or
 - D. The product does not appear to operate normally or exhibits a marked change in performance; or
 - E. The product has been dropped, or the enclosure damaged.
11. Do not attempt to service the product beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.

For the USA

This product may be equipped with a polarized line plug (one blade wider than the other) . This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of the plug.

For Canada

For Polarized Line Plug

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOCs ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU' AU FOND.

For the U.K.

IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.

BLUE	: NEUTRAL
BROWN	: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Roland KR-350 Digital Intelligent Piano

Congratulations!

You are now the owner of one of the most sophisticated — and fun! — home keyboard instruments currently available.

If, however, you've looked at the front panel and are saying to yourself, "Gee, look at all those buttons..." don't worry! The KR-350 is indeed a sophisticated instrument, but it's also very easy to use. With the patience to read through this manual — and a little practice — you'll be ready to enjoy years of home entertainment that nothing else can match!

So turn off that TV, turn on the KR, and everything will be OK!

Your New KR Features ...

- 128 different **Tones** (instrument and special effect sounds).
- 64 different **Music Styles** (authentic rhythm backing and instrument selection) which allow you to play a wide variety of the most popular kinds of music.
- An intelligent **Arranger** which provides amazing automatic accompaniment — even if you're a 'one-finger' piano player!
- A **Recorder**, so you can capture those rare performances!
- **One Touch Programming**, for those who want to play NOW!
- A **Piano mode**, for those times when you'd rather do all the playing yourself.
- A **Manual Drums mode**, which allows you to get in on the rhythm act!
- Digital **Reverb** and **Chorus** effects to enhance everything you play.

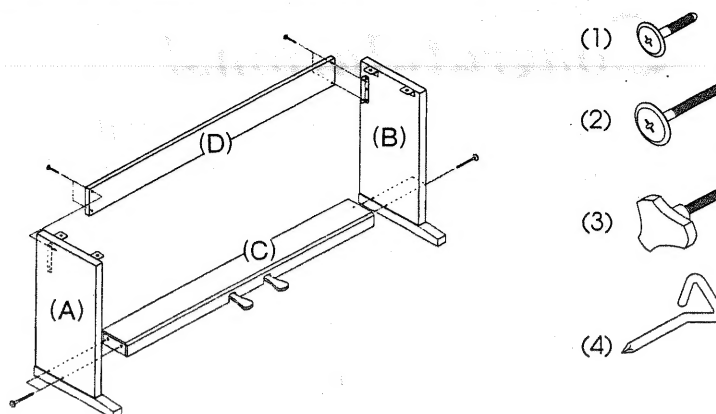
Assembling The Piano Stand (KRS-350)

Before you begin ...

Be sure that you have all of the parts listed here:

- (A) Side board (left) 1
- (B) Side board (right) 1
- (C) Pedal board 1
- (D) Center board 1

- (1) Short screws (M4 x 27 mm) 4
- (2) Long screws (M6 x 60 mm) 4
- (3) Knob bolts 4
- (4) Phillips screwdriver 1

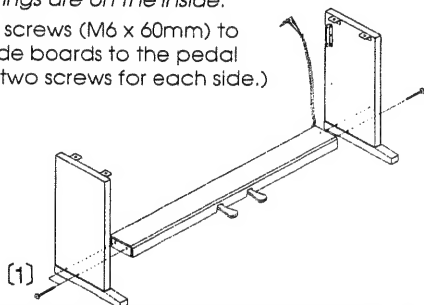


Assembly Procedure

1 Attach the side boards (left and right) to the pedal board.

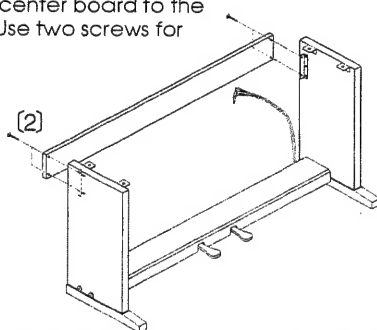
*Note: Extend the pedal cable out from the pedal board.
Note: Be sure that the side boards are oriented correctly; the metal fittings are on the inside.*

- (1) Use the long screws (M6 x 60mm) to fasten the side boards to the pedal board. (Use two screws for each side.)



2 Attach the center board.

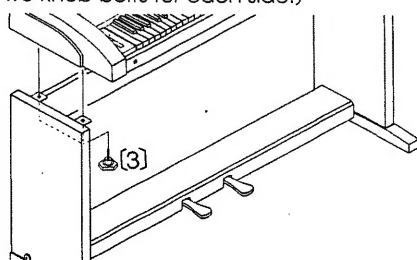
- (2) Use the short screws (M4 x 27 mm) to attach the center board to the side boards. (Use two screws for each side.)



3 Attach the piano to the stand.

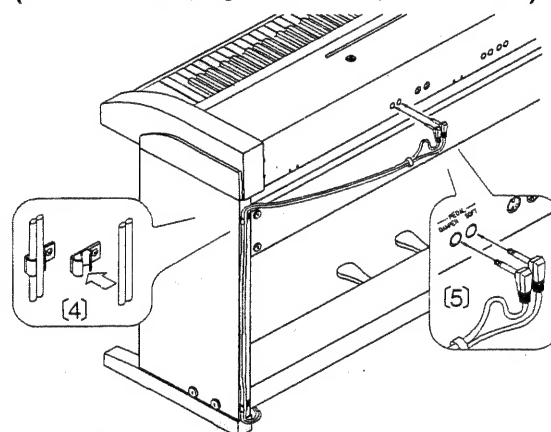
Note: When placing the piano on the stand, be careful not to pinch your fingers. (Avoid holding the ends of the piano.)

- (3) Lift the piano onto the stand and secure it using the knob bolts. (Use two knob bolts for each side.)



4 Secure the pedal cable with the cable clamps and connect the pedal cable.

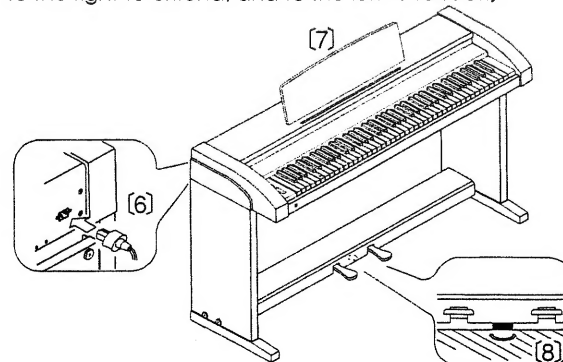
- (4) Secure the pedal cable (with the cable clamps; two locations) to the right side of the stand.
(5) Insert the two plugs from the pedal cable into the jacks on the rear of the piano.
(Insert the brown plug into the DAMPER jack (red).)
(Insert the black plug into the SOFT jack (black).)



5 Connect the power cable and set the adjuster.

*Note: When placing the piano in its location, be sure not to pinch the power cable underneath the stand.
Note: If the piano is placed on carpeting, rotate the adjuster so that it extends to secure the stand.*

- (6) Plug the power cable into the AC inlet on the rear panel of the piano (see opposite page).
(7) Attach the music rest to the piano (see opposite page).
(8) When you finish positioning the piano, rotate the adjuster until it touches the floor — this provides stability. (Rotate it to the right to extend, and to the left to retract.)



Once the piano has been secured to the Piano stand, there are just a couple of other things left to do (if you haven't done them already).

Move the Instrument

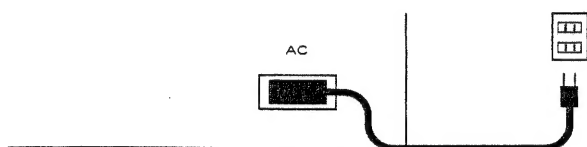
Although the piano isn't particularly heavy, two people should be on hand to move it. Find an appropriate location (one in which the piano can stand on a solid, level surface) and then carefully move the instrument. (Extend the adjuster when the piano is in place. See the opposite page.)

Connect the Power Cord

Find the power cord and connect it to the piano's AC inlet (on the back panel).

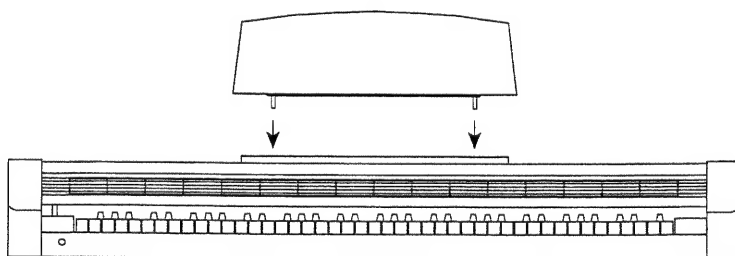
** Before you plug the other end into a wall outlet, be sure the piano's [POWER] button is off.*

** Use only the AC cord supplied with the piano.*



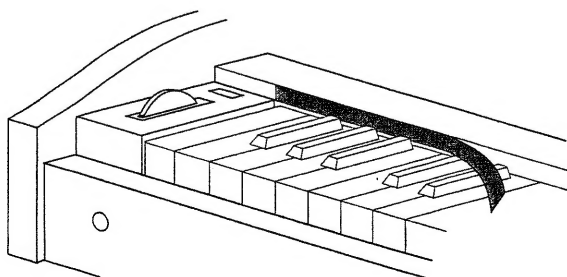
Attach the Music Rest

There should be a music rest somewhere in the box your piano came in. If you wish to attach the music rest to the piano, simply slide the posts of the music rest into the holes on the top of the piano:



Manual Drums Template

Somewhere in the shipping box there will be a MANUAL DRUMS template; a long piece of adhesive tape with little pictures of percussion instruments on it. This template should be affixed to the piano (just above the actual keyboard) on the vertical edge that faces the player (see below). This template identifies the position of each percussion instrument when you're in the MANUAL DRUMS mode.



Quick Start!

For those of you who'd rather play your new instrument than read about it ...

With the KR properly setup (see previous pages) ...

1. Press the [POWER] button (on the left side of the front panel).
2. Find and press the [STYLE INTELL] button in the ONE TOUCH PROGRAM Section (just to the right of the display).
3. Play any note within the *bottom two octaves* of the keyboard and amazing things will happen!
The **Arranger** (auto accompaniment) will kick in and play an Intro phrase based on the note you played. After the Intro, the rhythm will settle in. (This **Music Style** (A-1 BIG BAND) is selected automatically each time the KR is turned on.) Adjust the volume as necessary (with the **VOLUME** slider).
4. Play a different note on the keyboard — again within the bottom two octaves — and the accompaniment will change to reflect the new *chord*.
To make nice, smooth chord changes, try to play each new note *just before* — *but not exactly on* — the first beat of the following bar. (Watch the **BEAT** indicator in the display for help.) This is entirely a matter of *feel* and will take some practice. Also, different **Music Styles** (with different rhythmic feels) may require a different timing.
5. Once you get the idea, you can play a *solo part* over top of the accompaniment!
(Ah, yes the miracle of modern technology!) Play your solo anywhere within the top four octaves of the keyboard. (A piano sound has already been selected as the solo instrument.)
6. When you're ready for the big finale, find and press the [INTRO/ENDING] button.
An automatic Ending phrase will complete your *dazzling* performance!

There ... doesn't that feel better?! Now, please proceed in an orderly manner to the rest of this manual.

Demo Song Playback

Now that you've had a chance to play the KR, sit back and let the KR play for you! Stored in the KR's memory are *eight demonstration songs* which were written to highlight the instrument's capabilities. With a little practice (and the knowledge gained from this manual), you'll be able to create music just like this!

1. **On the far right side of the panel, find and press [DEMO].**

The button indicator will light and the display will read:



It says "dEn," but it means "demo."

2. **To listen to all eight demo songs, one after another, press [START/STOP].**

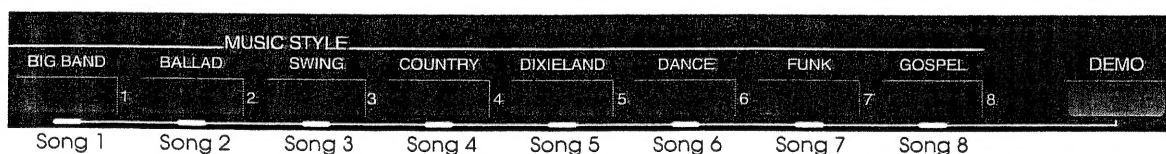
The first song will start to play (adjust the volume as necessary) and a message will scroll across the display. Because of the design of the display, it's a little bit difficult to read the message, but this is what it says: *dEmO SOnG 1*

3. **To stop playback at any time, press [START/STOP] or [DEMO].**

** All eight songs will play continuously until you stop playback.*

To hear a specific demo song ...

1. **Be sure the [DEMO] button is lit and that no song is currently playing. Press the MUSIC STYLE button ([1] — [8]) which corresponds to the song you wish to hear:**



Playback will begin instantly (and will stop when playback is complete).

2. **Again, press [START/STOP] or [DEMO] at any time to stop playback. Press another MUSIC STYLE button to select a different song if you like.**
3. **When you are finished listening to all the demo songs you wish, press [DEMO] again (so the button indicator goes out).**

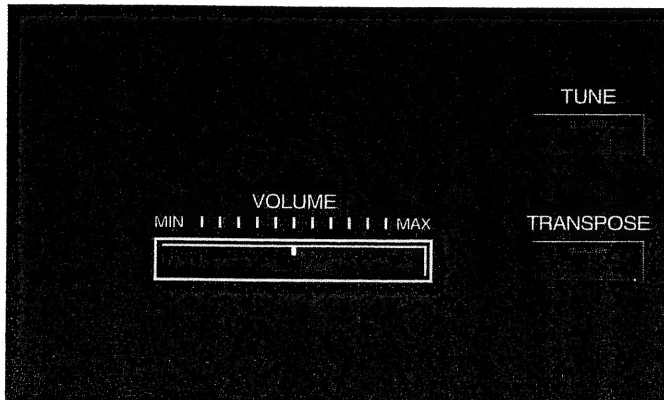
** During demo song playback, only the [DEMO] and [START/STOP] buttons and the VOLUME slider will have any effect; all other panel controls (including the keyboard itself) will be inactive.*

** MIDI data is neither transmitted nor received during the playback of demo songs.*

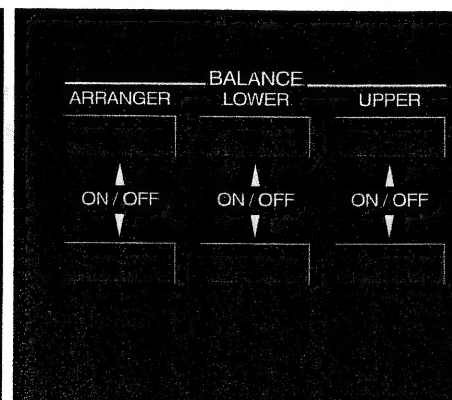
** For information about the demo songs and their composers, refer to page 53 in the Reference section.*

Panel Descriptions

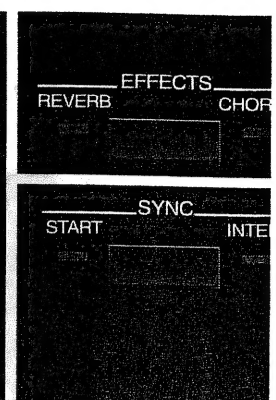
1



2



3



4

1 Master Control Section

[VOLUME] Slider

This one's really easy. This slider controls the overall volume of the piano.

[TUNE] Button

This button — when used with the TEMPO [▼] and [▲] buttons — is used to set the overall *pitch* of the piano. You can use this function to tune the piano to another instrument or recorded music, for example. (Page 26)

[TRANSPOSE] Button

This button is used to *transpose* the pitch of the piano. With this function, you can play the piano in *any* key while using the fingering of C major! (Page 27)

2 BALANCE Section

This group of six buttons act just like a *mixer* and are used to create just the right volume balance between the Arranger (auto accompaniment), the Lower Tone and the Upper Tone. (Page 25)

3 [EFFECTS] Button

This button turns the two digital effects — Reverb and Chorus — on and off. (Reverb and Chorus enhance your music to really make it sound alive!) (Page 22)

4 [SYNC] Button

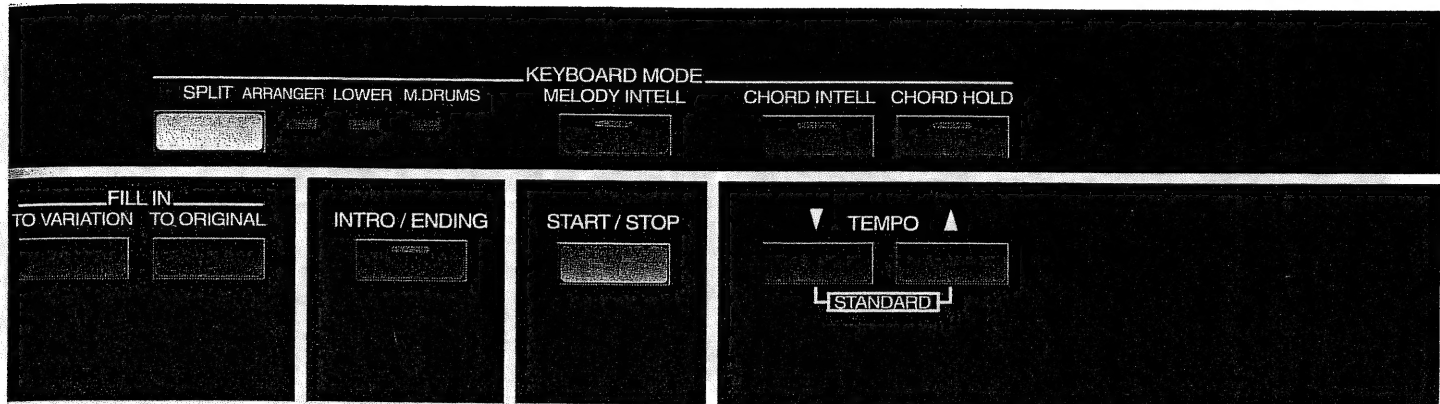
This button activates one of the piano's two synchronization modes — START or INTELL. (Page 36)

5 FILL IN [TO VARIATION] and [TO ORIGINAL] Buttons

These two buttons are used to add *variety* to the auto accompaniment and to create rhythmic 'fill-ins'. (Page 35)

Front Panel (Left)

8



5

6

7

9

6 [INTRO/ENDING] Button

Every Music Style contains an *Introduction* and an *Ending* phrase (from one to eight bars long). When lit, this button triggers the Introduction *before* the groove settles in. When a Music Style is playing, you can trigger the Ending phrase by pressing this button at any time. (Page 37)

7 [START/STOP] Button

This one's easy, too. You can manually start and stop any Music Style by pressing this button. (There will be no Intro or Ending, however.) (Page 34) (You can also use this button to start and stop playback of demo songs, and stop playback of the song in the Recorder.) (Pages 5, 41 & 42)

8 KEYBOARD MODE Section

[SPLIT] Button

This button switches between the ARRANGER, LOWER (Tone) and MANUAL DRUMS, allowing you to work with each individually. (Pages 23 & 37) You can also use it to set different *Split points* on the keyboard. (Page 23)

[MELODY INTELL] Button

This is one of those sophisticated features we were telling you about earlier! When the Arranger is doing its thing, and this function is on (button LED lit), the piano will automatically create a *harmony* part for the *melody* you play! (Page 39)

[CHORD INTELL] Button

Another great function! Chord Intelligence plays a *full chord* for you, even if you only play *one note* with your left hand! (Page 38)

[CHORD HOLD] Button

When this function is on, notes (or chords) you play with the left hand will be held (sustained) until you play the next one. (This is really great if you use the 'hunt and peck' method of piano playing!) (Page 39)

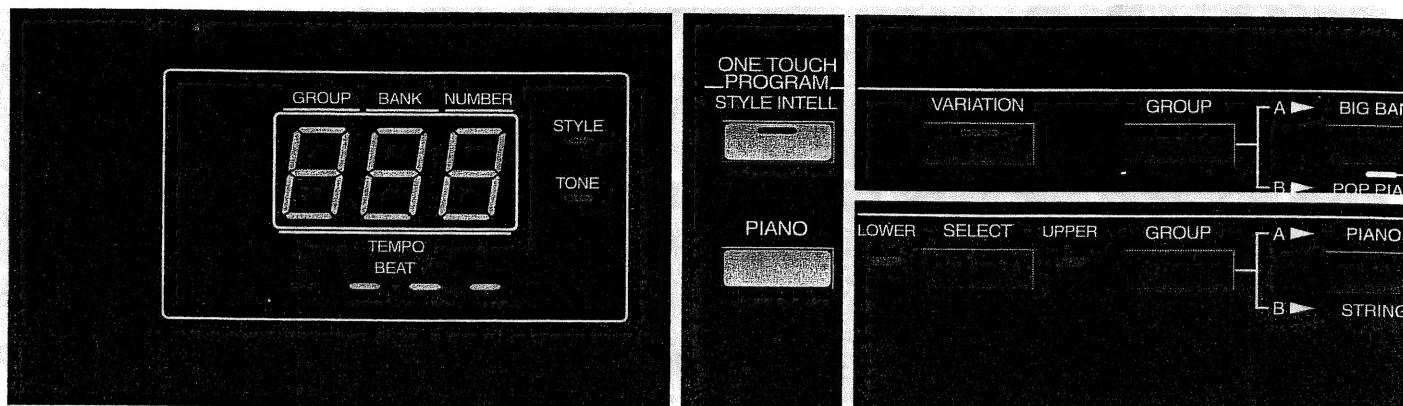
9 TEMPO [▼] and [▲] Buttons

These buttons adjust the playback tempo of any Music Style. (Page 37) They are also used to set the overall pitch of the piano when used with the [TUNE] button. (Page 26)

Panel Descriptions

①

②



① The DISPLAY

This three-character display indicates a variety of information; Tone numbers, Music Style numbers, Tempo settings, pitch and transposition settings and Balance volume settings, for example.

② ONE TOUCH PROGRAM Section *(This is really the heart of the KR!)*

[STYLE INTELL] Button

Pick a Music Style, *any* Music Style, and then press this button — the KR instantly makes *all the best settings* for your performance. Just go ahead and play! (Page 40)

[PIANO] Button

There may be times when you want to say “ENOUGH! I JUST WANT TO PLAY THE PIANO!” Press this button and all the fancy auto accompaniment stuff disappears! (Page 40)

③ MUSIC STYLE Section

[VARIATION] Button

Within each Music Style there is an ORIGINAL and a VARIATION rhythm arrangement. This button switches between the two. (Page 35)

[GROUP] Button

In the Standard Style mode there are 16 Styles from which to choose; eight in Group A and eight in Group B. This button (as you might have guessed) switches between the two Groups. (Page 34)

Selection Buttons [1] — [8]

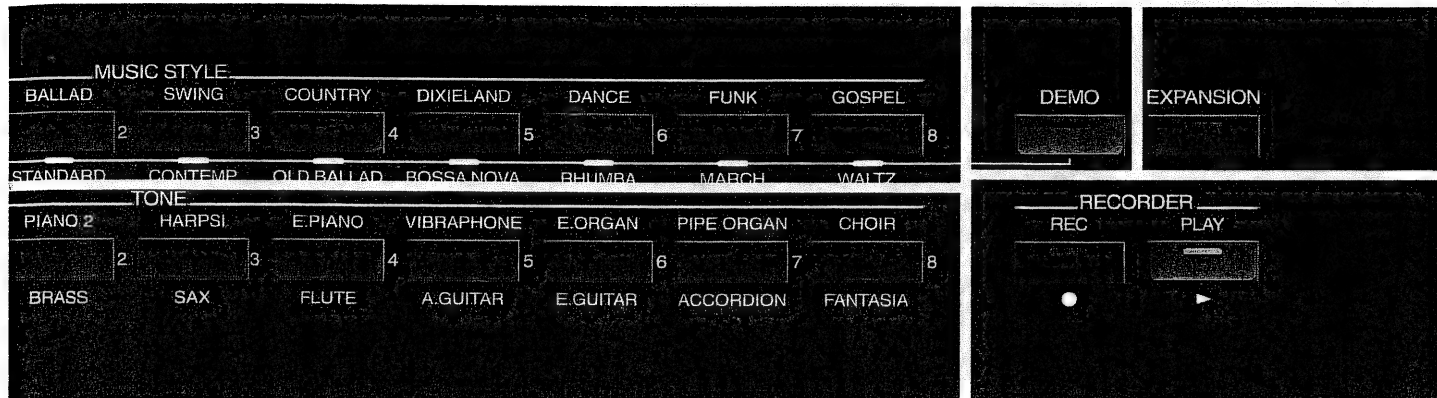
These buttons are used for selecting the Music Styles (in both Standard and Expansion mode; Pages 33 & 34), and the demo songs (when in the Demo Song mode). (Page 5)

Front Panel (Right)

③

⑤

⑦



④

⑥

④ TONE Section

[SELECT] Button

The setting of this button determines whether you are selecting a Tone for the Lower section of the keyboard or the Upper section. (Page 24)

[GROUP] Button

In the Standard Tone mode there are 16 Tones from which to choose; eight in Group A and eight in Group B. This button switches between the two Groups. (Page 18)

Selection Buttons [1] — [8]

These buttons are used for selecting the Tones (in both Standard and Expansion mode). (Pages 17 & 19)

⑤ [DEMO] Button

When you absolutely must hear the demo songs again, press this button and a MUSIC STYLE button ([1] — [8]), or [START/STOP]. (Page 5)

⑥ RECORDER Section

[REC] Button

Set everything up the way it should be, press the [REC] button and away you go. Everything you play will be recorded with perfect accuracy. (Pages 41 & 42)

[PLAY] Button

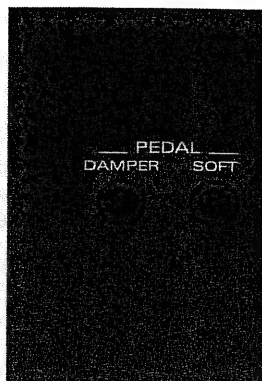
Press this button to playback your masterpiece! (Pages 41 & 42)

⑦ [EXPANSION] Button

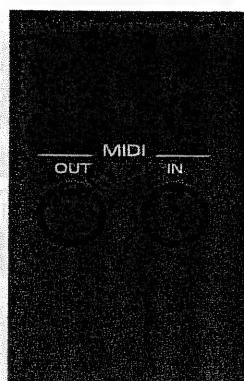
By pressing this button you can access an additional 112 Tones (for a total of 128) (page 19), **or** 48 more Music Styles (for a total of 64). (Page 34)

Rear Panel

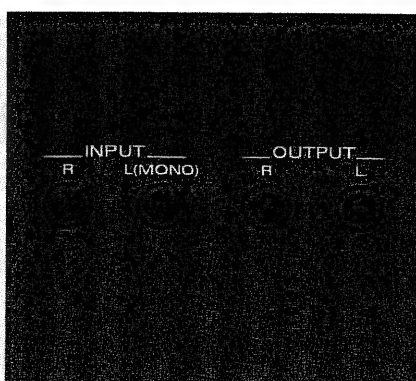
①



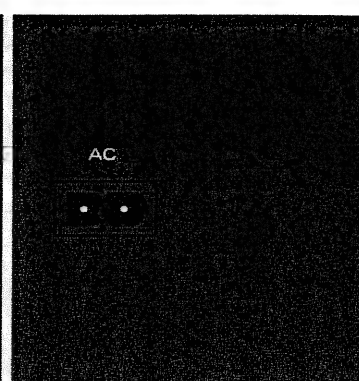
②



③



④



① PEDAL Jacks

DAMPER (red)

When using the optional Piano stand (KRS-350), connect the **brown** 1/4" plug of the pedal cable to this jack. Doing so will allow you to use the *right* pedal as a damper (sustain) pedal. (Page 2)

SOFT (black)

Connect the **black** plug of the pedal cable to this jack. The *left* pedal will act as a soft pedal, which makes the things you play sound a little softer. (Page 2)

② MIDI Connectors

OUT

The MIDI data created by the KR can be sent (or *transmitted*) to other MIDI devices via this connector.

IN

MIDI data transmitted to the KR from external MIDI devices is received through this connector.

** If you are using the KR on its own, there is no need to be concerned about MIDI. If, however, you would like more information about MIDI, contact your Roland dealer.*

③ Audio Connectors

INPUT R / L (MONO)

If you have another keyboard (or other audio source) that you'd like to hear through the KR's internal speakers, connect it to these input jacks.

OUTPUT R / L

If you'd like to hear your KR through a stereo system, PA, or guitar amplifier (for example), connect that external audio system to these output jacks.

④ AC Inlet

Connect the included AC power cord to this inlet. (Page 3)

Important Notes

In addition to the IMPORTANT SAFETY INSTRUCTIONS listed inside the front cover, please read and observe the following:

Power Supply

- When making any connections with other devices, always turn off the power to all equipment first; this will help prevent damage or malfunction.
- Do not use this unit on the same power circuit with any device that will generate line noise; an electric motor or variable lighting system, for example.

Placement

- Make sure you always have the instrument placed so it is level and sure to remain stable. Otherwise, if played while tilted, you risk causing damage to the keyboard as a result of the unnatural degree of force that might be applied to certain parts of it.
- This unit may interfere with radio and television reception; do not use it in the vicinity of such receivers.

Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth (or one that has been slightly dampened with water). To remove stubborn dirt, use a mild, neutral detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzene, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

Additional Precautions

- Protect the unit from strong impact.
- Never strike or apply strong pressure to the display.
- Before using the instrument in a foreign country, consult with qualified service personnel.

A Note About This Manual ...

*The KR manual was designed to be as short as possible as we realize that most people would much rather play their new instrument than read about it. However, it is very important that you read at least two sections of this manual — **The Basics** and **Beyond the Basics**. These two sections were written in a (hopefully) logical manner, taking you from the simplest operations to the more complex (which really aren't that difficult). To that end, each new function or operation which is introduced assumes that you've completed the steps of the previous operation. This approach was taken because all the instrument's functions are related, and they build upon one another.*

Our best advice, therefore, is to work your way through these two main sections as they contain the information you really need.

Table Of Contents

PRELIMINARIES

<i>Congratulations!</i>	1
KR-350 Features	1
Assembling The Piano Stand (KRS-350)	2
Setup	
Move the Instrument	3
Connect the Power Cord	3
Attach the Music Rest	3
Manual Drums Template	3
<i>Quick Start!</i>	4
Demo Song Playback	5
Panel Descriptions	
Front Panel (Left)	6 & 7
Front Panel (Right)	8 & 9
Rear Panel	10
Important Notes	11
A Note About This Manual	12

The BASICS

Power ON!	16
Selecting Tones (Standard Tone Mode)	17
Selecting More Tones (Expansion Tone Mode)	19
Group, Bank, Number (GBN)	21
Manual Drums	22
Digital Effects	22
Split Keyboard Mode	23
New Sounds for the Split Keyboard	24
Volume Balance	25
Master Tuning	26
Transpose Function	27

Table Of Contents

BEYOND The BASICS

"What is the Arranger, anyway?"	32
"Well then, what are Music Styles?"	32
Selecting Music Styles	33
Style Variation and Fills	35
SYNC (Synchronization) Intelligence	36
START (SYNC START)	36
INTELL (SYNC INTELLIGENCE)	36
Intro/Ending Function	37
Music Style Tempo	37
Manual Drums	37
Chord Intelligence	38
Chord Hold	39
Melody Intelligence	39
Volume Balance	39
'One Touch' Programming	40
STYLE INTELL	40
PIANO	40
The Recorder	41
A Final Note	43

REFERENCE

Tones	46
Music Styles	47
Intelligent Chords	48
Manual Drums List	52
Demo Song Information	53
Default Settings	54
Toubleshooting	55
MIDI Implementation Chart	56
Specifications	57
Index	58
Information	60

Roland KR-350 Digital Intelligent Piano

The

BASICS



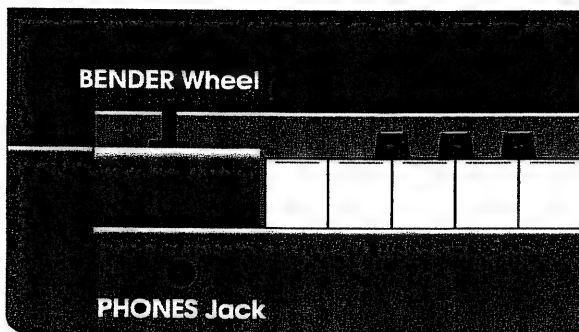
The **BASICS**

Power ON!

1. Press the [POWER] button and the KR instantly springs to life!

Go ahead and play a few notes. (Use the **VOLUME** slider to set the volume.)

You can also connect headphones to the **PHONES** jack (just below the **BENDER** wheel) if you'd like:



WARNING:

Take great care when using headphones. Excessive volume levels can easily damage your hearing!

The sound that you hear (Piano A-1) is automatically selected each time the KR is turned on. The display will look like this:



You may have noticed by now that the Piano sound is assigned to the entire keyboard. This is called the **Piano** mode, because the instrument now functions just like an acoustic instrument. The Piano mode is also automatically selected each time the KR is turned on.

** You can also select the Piano mode at any time by simply pressing the [PIANO] button.*

2. The pedals also provide familiar 'piano' functions.

The left pedal provides the *soft* effect, making notes you play sound a little softer, while the right pedal recreates the *damper* effect, sustaining or holding the notes that you play.

3. Now try playing a few notes while you move the **BENDER** wheel.

This wheel smoothly raises and lowers the pitch of the notes you play. Try doing *that* on a regular piano!

Selecting Tones (Standard Tone Mode)

1. The Piano sound that you've been playing is only one of 16 *Tones* available in the *Standard Tone* mode. To try out some of the others, first locate the TONE Section (on the right side of the panel):



2. Press the button marked [PIANO 2] and play the keyboard.

This is a variation of the first Piano sound. The display will read:



Note the **TONE** indicator in the display. It will light whenever you are selecting Tones.

3. Now press the button marked [HARPSI] and play the keyboard.

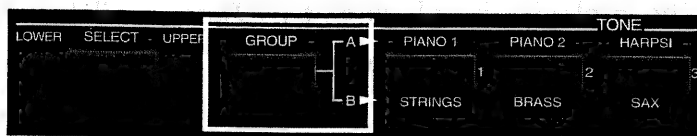
The display will read:



No Piano sound here! Instead, a fine Harpsichord sound for your Baroque experiments!

The BASICS

- Proceed through the other Tones in *Group A*. After you've played the last one ([CHOIR]), find and press the TONE [GROUP] button to select *Group B*:



The display will read:



- Now select the Group B Tones by pressing the same eight TONE buttons again.

But wait! There's more! ...

Selecting More Tones (Expansion Tone mode)

The KR also features an **Expansion Tone mode** which lets you access an additional **112** Tones, for a grand total of **128**! The sounds in the Expansion Tone mode are, as before, organized into two Groups (A and B). This time, however, each Group contains **64** Tones (instead of eight).

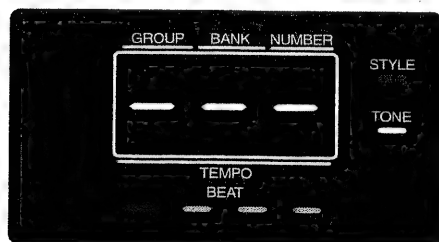
You may be thinking, "But you just said there were only **112** new Tones. By my calculation, two groups of **64** is equal to **128**!" Well, technically, that's correct. However, there is some duplication of Tones. In fact, *all* **16** Tones of the Standard Tone mode are found in the Expansion Tone mode, so there really are only **128 different** sounds in the KR.

"Well then," you ask, "why even *have* the Standard Tone mode if it just duplicates Tones in the Expansion mode?!" Another good question! The answer, quite simply, is that the Standard mode provides an easier way of selecting the most commonly used Tones on the KR.

In any case, getting at the Expansion Tones is a little different:

1. **Find and press the [EXPANSION] button (on the right side of the panel).**

The button indicator will light and the display will change to look like this:



The characters in the display will flash.

2. **Press TONE button [1] (also labeled [PIANO 1]) two times.**

The display will read:



This selects the now familiar Piano sound.

** This is one of those sounds that is found in both the Standard and Expansion Tone mode.*

The **BASICS**

3. Now press **TONE** button [1] and then **TONE** button [2].

This selects the variation Piano sound we heard earlier. The display will read:



4. Then select Tone 13 (buttons [1] and [3]), Tones 14, 15 and so on, until you get to 18. After that, start with number 21 (buttons [2] and [1]), then 22, 23 and so on, all the way up to 88 (if you wish).

Doing so will select the 64 different sounds in Group A.

Group, Bank, Number (GBN)

If this seems like a really odd arrangement for Tone selection, you're probably right! But look at the TONE selection buttons for a moment. You'll notice there is no number '0' or number '9.' As it would be very unnatural to start numbering from 0, that number hasn't been used. And because there is no 0, there can't be a number 10, or 20, or 30 etc.

"OK, but why isn't there a number 9?" you ask. Good question! The answer is, "That's just the way it is!"

By the way, this method of Tone selection is called the **Group, Bank, Number** method because first you choose a **Group** (A or B), then a **Bank** (1 — 8), and then a **Number** (1 — 8) within the Bank. The display shows you which Bank, Group and Number you have selected:



Note the three words at the top of the display:
GROUP BANK NUMBER

The display now indicates
GROUP A, BANK 1, NUMBER 8

5. To select the Tones in Group B, press the [GROUP] button (to the left of the TONE buttons) so that the letter 'b' appears in the display:



6. Select Tones in this Group the same way you did in Group A.

To return to the Standard Tone mode, press [EXPANSION] (the indicator will go out), press [GROUP] (to select Group A or B), and then press any TONE button.

** For a list of all the Tones in the Expansion mode, see page 46.*

Manual Drums

In addition to the KR's 128 *fabulous* Tones, there is **Manual Drums mode** in which a different percussion sound is assigned to each key on the keyboard! In this mode, you can play along with the Arranger (which we'll learn about in the next section), or play rhythms all by yourself (or with a friend or two).

To get into the Manual Drums mode ...

1. Find the [SPLIT] button (on the left side of the panel) and press it *three times* so the **M. DRUMS** indicator lights. Play the keyboard and try out those sounds!
If you attached the MANUAL DRUMS template (page 3), you'll know which percussion sound is assigned to each key.
2. To return to the PIANO mode (and the Tone previously selected), simply press [SPLIT] once more.

* See page 37 for more on Manual Drums.

* See page 52 for a list of all the percussion and special effect sounds.

Digital Effects

To enhance all of those wonderful Tones you now know how to select (including the Manual Drum sounds), the KR features two digital effects; Reverb and Chorus.

Reverb (or Reverberation) is an effect which creates the illusion of playing your KR in a nice concert hall! This gives your music a more 'live' feel. (You'll probably want this effect on all the time.)

Chorus, on the other hand, creates the impression that several of the same instrument are playing together in *unison* (exactly the same thing).

* We encourage you to experiment to find out which Tones benefit most from the CHORUS effect.
E.PIANO, FLUTE, A.GUITAR and E.GUITAR are good places to begin!

These effects are turned on and off with the [EFFECTS] button.

Note that to turn REVERB on and off you'll have to hold the [EFFECTS] button for a second or two.

Four different effects combinations are possible:

Reverb ON + Chorus OFF	(the default setting)
Reverb ON + Chorus ON	(press [EFFECTS] quickly)
Reverb OFF + Chorus ON	(press and hold [EFFECTS] for a second or two)
Reverb OFF + Chorus OFF	(press [EFFECTS] quickly)

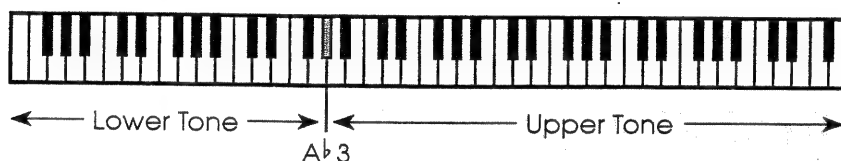
Split Keyboard Mode

Let's move on and look at a more sophisticated application of the things you now know. The **Split Keyboard** mode allows you to divide (or *split*) the keyboard into two different sections — Upper and Lower — and assign a different Tone to each! By doing this you can, for example, play *chords* using a String sound while you *solo* using a Piano sound. If you use your imagination, anything is possible!

Let's use the example of the Strings/Piano split.

** This is a good place to begin as these Tones are automatically selected when you first enter the Split Keyboard mode.*

1. First, press [PIANO] (in the ONE TOUCH PROGRAM Section) to be sure you begin from the Piano mode.
2. To enter the Split Keyboard mode, find the button labeled [SPLIT] (in the KEYBOARD MODE Section; left side of the panel). Press it *twice* so the LOWER indicator lights. If you now play the keyboard, you'll hear a String sound in the Lower section and the familiar Piano sound in the Upper section. The keyboard will be split at the key shown below:



3. To change this Split Point, press and hold the [SPLIT] button until the LOWER indicator starts to flash, and then press a different key on the keyboard (within the range shown below):



The note you press will become the new Split Point: notes above — and including — the new Split Point will have the Piano sound; notes below the new Split Point will be assigned the String sound.

** Note that in the Split Keyboard mode, the Soft pedal and Damper pedal only affect the Upper Tone.*

New Sounds for the Split Keyboard

OK, suppose you want to change the sounds assigned to both the Upper and Lower sections. No problem! Let's select an Acoustic Bass sound as the Lower Tone, and an Electric Piano as the Upper Tone.

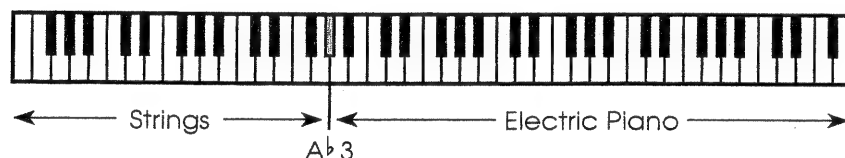
1. **Locate the [SELECT] button (in the TONE section; right side of the panel).**

Notice that the UPPER indicator (just to the right of the button) is lit:



This means that you can simply press [E.PIANO] (TONE button [4]) and the Upper Tone becomes an Electric Piano. (You could also press [EXPANSION] and select any Expansion Tone if you so desire!)

Now when you play the keyboard, you'll hear a String sound in the Lower section and an Electric Piano in the Upper section:



To continue and change the Lower Tone ...

2. **Press the [SELECT] button so the LOWER indicator lights.**
As the Acoustic Bass sound we want is *not* available in the Standard Tone mode, we must switch to the Expansion Tone mode to find it.
3. **Press [EXPANSION] (so the button indicator lights).**
The Acoustic Bass sound we want is found in **Group A; Bank 5, Number 1 (A51)**.
4. **Press the [GROUP] button (in the TONE Section) until the letter "A" appears in the display, and then press TONE buttons [5] and [1].**
The display will read:

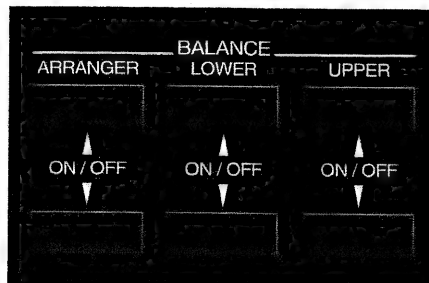


Voilà! Bass and Electric Piano! You can see now that the number of possible combinations is amazing!

Volume Balance

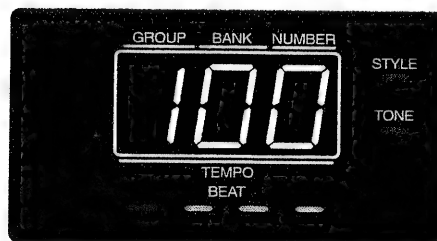
OK, let's go one step further. Suppose the Electric Piano sound is too loud in relation to the Acoustic Bass (or whatever instrument you've selected). With the BALANCE Section, we can fix that in no time!

1. Find the BALANCE Section (on the left side of the panel):



You'll notice that there is one set of buttons marked [LOWER] and one set marked [UPPER] (in addition to the pair marked [ARRANGER]). The top button of each pair *raises* the volume of the corresponding part, and the bottom button *lowers* it.

2. Quickly press the **bottom button** of the pair marked [UPPER].
The display will read:



The display will indicate the current volume setting (in this case the maximum of "100") for a few seconds before returning to the previous display.

3. If you press and hold the bottom button of the UPPER pair, the numbers in the display will **decrease** and the volume of the Upper Tone will **drop**.
Press and hold the top button to raise the volume again.
* The volume range for each part is 0 — 100.
4. If you press both UPPER buttons simultaneously, the Upper Tone will be turned "OFF."
Press both buttons simultaneously again to turn it back on.
* The other two sets of buttons work in exactly the same way.
5. With the UPPER and LOWER pair of buttons, create the volume balance which is most pleasing.

* Press [PIANO] if you wish to exit the Split mode.

Master Tuning

The Master Tuning function allows you to adjust the overall *pitch* of the KR by up to one semitone (99 cents¹; up or down). This is handy if you need to “tune” the piano to recorded music or another instrument, for example.

1. Find and press the button marked [TUNE].

(It's way over on the left).

When you do this, the number “0” will appear in the display. This means that the piano is at standard pitch (A=440Hz) and that no transposition is currently in effect:



* The number “0” will be displayed for as long as you hold the button down. When you release the button, the previous display will appear in a few seconds.

2. With the “0” displayed, press the TEMPO ▲ button and watch the numbers in the display rise (to a maximum of 99).

If you play any note at the same time, you'll hear the pitch rise.

* Pressing the TEMPO ▼ button makes the pitch (and the numbers in the display) fall.

* Note that the [TUNE] button indicator will remain lit as long as any tuning setting is in effect.

3. To instantly restore standard pitch (i.e., “0”), press and hold [TUNE] and then press both TEMPO buttons (▼ and ▲) simultaneously.

When you release the [TUNE] button, the previous display will return in a few seconds.

¹ A “cent” is a unit of pitch. One semitone is equal to 100 cents.

Transpose Function

The Transpose function is really handy if you need to play a piece of music in a 'difficult' key (one with lots of sharps or flats) but just aren't up to it! The idea is that you *transpose* (change) the pitch of the piano so that the correct notes are heard when you play using the fingering of C major!

1. Find and press the [TRANPOSE] button (in the Master Section).

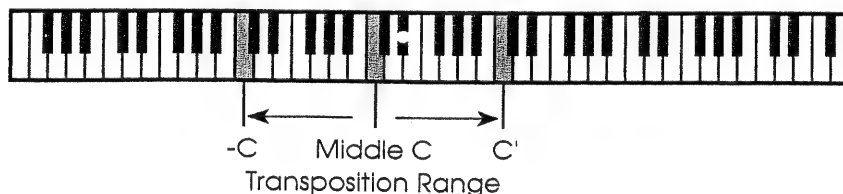
The letter "C" will be displayed indicating that no transposition is currently in effect:



* The letter "C" will be displayed for as long as you hold the button down. When you release the button, the previous display will appear in a few seconds.

To transpose the piano so you *hear* the pitches of E_b major (for example) when you actually *play* the C major scale ...

2. Press and hold [TRANPOSE] (to display the letter "C").
3. Press the note "E_b" in the middle octave of the keyboard (in the Transposition Range):



The display will read:



* You can also press the TEMPO ▲ button to select "E_b".

The **BASICS**

4. **Release the [TRANSPPOSE] button and play a C major scale anywhere on the keyboard.**
The scale you play will actually *sound* with the pitches of the E_b major scale!

** The [TRANSPPOSE] button indicator will remain lit as long as a transposition setting is in effect.*

** The default setting of the KR is "C" (no transposition).*

To cancel the transposition ...

Press and hold [TRANSPPOSE] and then press the note "C" (again in the middle octave of the keyboard).

** You can also press and hold [TRANSPPOSE] and then press both TEMPO buttons simultaneously.*

The Transpose function can also be used to lower or raise the pitch of the entire keyboard by a maximum of one octave.

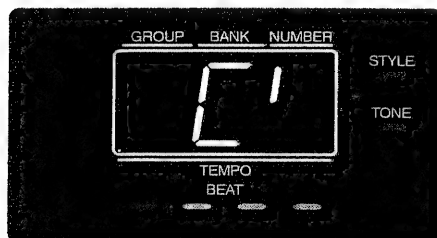
To lower the pitch by one full octave ...

Press and hold [TRANSPOSE] and then press the note "C" *below* middle "C."
(See the graphic on page 27 for the location of middle C.) The display will read:



To raise the pitch by one full octave ...

Press and hold [TRANSPOSE] and then press the note "C" *above* middle "C."
The display will read:



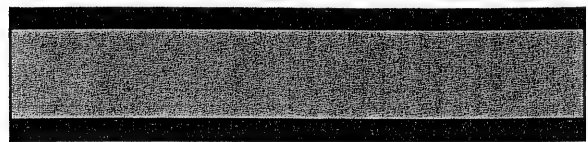
Return the KR to standard pitch ("C") by holding [TRANSPOSE] and then pressing middle "C" or both TEMPO buttons simultaneously.

Roland KR-350 Digital Intelligent Piano

BEYOND

The

BASICS



BEYOND The BASICS

Now it's time to see what this baby can *really* do! With an understanding of the basics, we can move on to those sophisticated features we mentioned back at the beginning.

In this section we'll look at the **Arranger** (among other things) and all its related functions. First, however, you have to know what we're taking about.

"What is the Arranger, anyway?"

The **Arranger** is that part of the KR which creates the *automatic accompaniment* — the Intro, drum part, bass patterns, chord/ensemble backing and Ending — appropriate to the selected *Music Style* and chords you play. (If you went for the "Quick Start" way back on page 4, you've already heard the Arranger in action.) The Arranger is really the reason the KR is called an *Intelligent Piano*.

* The KR is in the Arranger mode when the ARRANGER indicator (in the KEYBOARD MODE Section) is lit.

"Well then, what are Music Styles?"

When you ask someone what *kind* of music he or she likes, you're really asking what *style* of music they prefer. If the answer is, "I like rock music," for example, this brings certain things to mind. We think of drums, electric bass, electric guitars and keyboards, a particular rhythmic 'feel' and so on. (You can find all these *elements* in the KR's "Rock 1" **Music Style**, by the way.)

When you select one of the 63 other Music Styles in memory, all of the necessary elements are instantly loaded into the Arranger. All you do is add the chord changes (with one or two fingers if you like) and the solo part — *the KR does the rest!*

Selecting Music Styles

The KR's Music Styles are organized into two modes — **Standard** and **Expansion** (sound familiar?!). Selecting Music Styles in the Standard mode is *exactly* like selecting Tones in the Standard Tone mode. That is, you first select a Group (A or B) and then press one of the eight MUSIC STYLE Buttons.

Selecting Music Styles in the Expansion mode is actually a bit easier than selecting Tones in the Tone Expansion mode because there is no Group to consider — just punch up a two-digit Music Style number (Bank and Number) and away you go!

To select Music Styles ...

1. To make sure we all start together from the same place, press the [PIANO] button to select the Piano mode.
2. Locate the MUSIC STYLE Section (on the right side of the panel above the TONE Section):



3. Press the button labeled [BIG BAND] (this is button [1]).
The display will read:

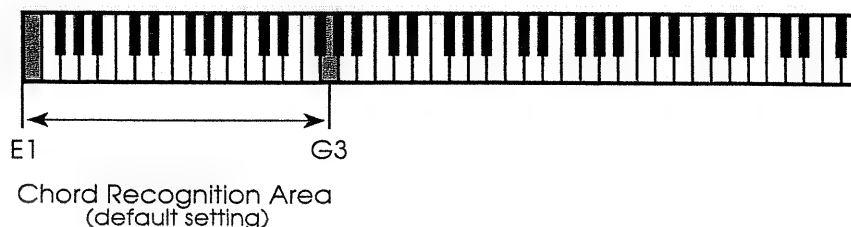


Note that the **STYLE** indicator is lit.

4. Press the [STYLE INTELL] button in the ONE TOUCH PROGRAM Section.

BEYOND The BASICS

5. Play any note in the *chord recognition area*:



The Intro of the Style will play and then the rhythm will settle in.

- * You can manually start the Music Style by pressing the [START/STOP] button if you wish. However, because no key has been pressed in the chord recognition area, only the **rhythm** of the Style will play.
- * You can also change the **Split Point** (to make the chord recognition area larger or smaller) if you wish: Before you play a note in the chord recognition area (that is, before the Style starts to play), press and hold the [SPLIT] button so the ARRANGER indicator starts to flash. At that time, press any note within the **Split Point Range** (see the graphic on page 23) and that note will define the upper limit of the new chord recognition area.

6. With the Style still playing, press the button labeled [BALLAD] (button [2]).
The display will read:



7. Again, with the Style playing, press the [SWING] button (number [3]) to hear that Style.
8. Continue on through the rest of the Styles in Group A. When you get to "A-8," press the MUSIC STYLE [GROUP] button and listen to the Styles in Group B.

- * If you're really ambitious, press [EXPANSION] and check out some of the Styles in the Expansion Music Style mode! Just enter a two-digit Style number with the MUSIC STYLE selection buttons — there are no Groups to worry about! (Again, just as with Tones, Music Styles in the Expansion mode are numbered 11—18, 21—28, 31—38 and so on up to 88.)
- * Note also that, just as with Tones, **all** the Styles in the Standard Music Style mode are duplicated in the Expansion mode.
- * For a complete list of all the KR's Music Styles, see the list on page 47.

Style Variation and Fills

Every KR Music Style contains an **Original** and a **Variation** rhythm arrangement which can be used to add variety to your performances.

With any Music Style playing ...

1. Press the FILL IN [TO VARIATION] button.

This triggers a short *fill-in break* before leading into the Variation arrangement of the Music Style. When used at musically appropriate moments, this function can enhance your performance by heightening the energy level!

** The fill-in function of the KR is really very clever! Regardless of **when** within the bar you press the [TO VARIATION] or [TO ORIGINAL] button, the KR will create the perfect length of fill-in!*

2. You can switch back to the previous arrangement by pressing [TO ORIGINAL].

Feel free to experiment — it's really the only way to get the most from your KR!

** Note that these buttons trigger a fill-in pattern **before** changing to the Variation rhythm arrangement. The [VARIATION] button in the MUSIC STYLE Section **does not** — it **instantly** switches to the Variation pattern.*

** If the Original rhythm arrangement is playing and you press [TO ORIGINAL], a fill-in will be played and the Original rhythm arrangement will then continue. This is also true of the Variation rhythm arrangement.*

3. Press [START/STOP].

SYNC (Synchronization) Intelligence

The Arranger can be started (and used) in a couple of different ways, depending on your particular needs:

START (SYNC START)

Locate the button labeled [SYNC].

Don't press it though — it's already set to START (or at least it should be. If it isn't, press [SYNC] until the START indicator lights.)

The SYNC START function activates the Arranger the *instant* you play a note in the **chord recognition area** (see the graphic on the top of page 34). The selected Music Style will play until you stop it (by pressing [START/STOP] or [INTRO/ENDING]). You'll normally want to use the START setting.

INTELL (SYNC INTELLIGENCE)

If you press [SYNC], the INTELL indicator will light.

If you now press a note in the chord recognition area, the Music Style will only play *for as long as you hold that note* (to the end of the current beat, actually).

SYNC INTELLIGENCE is a very sophisticated function which is particularly useful when it comes time to record your own performances using the KR's Recorder (see page 41 for information on how to do just that). When recording with SYNC INTELL on, you can take all the time you need to find the individual chords in your song; when you release the key(s), the KR will wait for you to play the next chord. The great thing is that when you playback your recorded song, it plays continuously — with no pauses! (This can make you sound really good!)

** SYNC INTELL is also very useful if you need 'home-made' music for a game of musical chairs!*

OFF

Press [SYNC] again and both button indicators will be dark.

This is the SYNC OFF mode. (If the Music Style starts to play again, just hit [START/STOP].) In this mode, the Arranger is temporarily inactive, and playing notes in the chord recognition area has no effect at all (no sounds will be heard).

The [SYNC] button selects one of three settings whenever it is pressed. The three combinations, in order, are:

START On + INTELL Off	(SYNC START mode)
START Off + INTELL On	(SYNC INTELL mode)
START Off + INTELL Off	(SYNC OFF mode)

Intro/Ending Function

Every Music Style contains an Introductory phrase (an **Intro**) and an Ending phrase (an **Ending**) between one and eight bars long. These can be used, obviously enough, to *begin* and *end* your performances!

To get the Intro phrase to play when you first press a note in the chord recognition area, press [INTRO/ENDING] so the button indicator flashes.

Depending on the panel settings, however, sometimes pressing [INTRO/ENDING] will immediately start the Intro of the selected Music Style. Just press [START/STOP] if you wish.

** Because the Intro and Ending phrases of every Music Style contain pre-set **chord changes**, it is advisable that you do not change chords (that is, play in the chord recognition area) while these phrases are playing. You **can** do so if you wish, but the result may be rather un-musical.*

Music Style Tempo

Of course, it would really be very limiting if all these great Music Styles could only be played at *one* tempo. Fortunately, that is not the case!

To change the tempo of any Music Style that's playing ...

- Press and hold the TEMPO ▲ button to increase it, *or*
- Press and hold the TEMPO ▼ button to decrease it.
- To return the Music Style to its pre-set tempo, press both TEMPO buttons (▼ and ▲) simultaneously.

** The display will indicate the tempo change as you press either TEMPO button.*

** The tempo range of every Music Style is 20 — 250 beats per minute.*

Manual Drums

Suppose the rhythm of the Music Style you have selected really hits you and in the middle of your performance you just *have* to play a percussion solo along with it (SAMBA 1 (Expansion Style 41) is particularly hip!). The Manual Drums mode instantly converts the keyboard into a '76 sound' percussion set!

1. **Press the [SPLIT] button twice (so the M. DRUMS indicator lights).**
Doing so will leave only the percussion part of the Music Style playing. You can now play the keyboard to play your own percussion solo. (Try pressing the [TO VARIATION] button to trigger a break and a new rhythmic variation!)
2. **Press [SPLIT] twice to move back to the ARRANGER mode (so the ARRANGER indicator lights).**
Play any note in the chord recognition area to re-start the rest of the Music Style.

** See page 52 for a graphic 'list' of the all the KR's percussion and special effect sounds.*

BEYOND The BASICS

Chord Intelligence

Another of the KR's sophisticated functions is **Chord Intelligence**. When the [CHORD INTELL] indicator is lit, the piano produces full chords — even if you only play *one or two notes* with your left hand!

For example, if you just play the note “C” in the chord recognition area, the KR will automatically play a C major chord (the notes “C,” “E” and “G”):



Play the note “C” ...

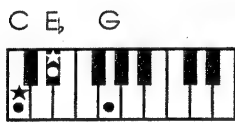


... and the KR plays a C major chord!

If you play the notes “C” and “E_b,” the KR will play a C minor chord (the notes “C,” “E_b,” and “G”):



Play the notes “C” and “E_b” ...



... and the KR plays a C minor chord!

The KR's Chord Intelligence function can recognize and play a wide variety of chords:

Major (C)
Minor (Cm)
Seventh (C7)
Minor seventh (Cm7)
Major seventh (CM7)

Minor seventh ♭5th (Cm7♭5)
Diminished (Cdim)
Augmented (Caug)
Suspended fourth (Csus4)
Suspended seventh (C7sus4)

** To see at a glance all the “Intelligent chords” the KR can play, refer to the list starting on page 48.*

On the other hand, if you'd rather play the chords yourself, just turn Chord Intelligence off (so the button indicator is dark). By doing so, the KR will create an arrangement based on the chords that you play.

Chord Hold

Once you play a note (or chord), you can release the key(s) (as you've probably already discovered). As long as the **Chord Hold** function is on (the [CHORD HOLD] indicator is lit) any note (or chord) you play will be held (sustained) until you play the next one. This allows you to concentrate on the solo part.

More advanced players may want to turn CHORD HOLD off so that they can have greater control of the instrument.

Melody Intelligence

The **Melody Intelligence** function exists for one reason, and one reason alone — to enhance your solo! When this function is on (the [MELODY INTELL] indicator is lit) the KR automatically creates a harmony part for your melody line (in accord with the chord you play in the chord recognition area). This adds 'depth' to your performance and really makes you sound good!

** Melody Intelligence works when the [SPLIT] button is set to ARRANGER or LOWER.*

Volume Balance

In the previous section (The Basics) we learned how to adjust the volume balance between the Upper and Lower Tones in the Split Keyboard mode. We can use the same procedure to set the volume balance between the Arranger and the Upper Tone.

For example, if the Arranger is too loud ...

1. **Press and hold the bottom button of the pair marked [ARRANGER] (in the BALANCE Section).**
The numbers in the display will decrease and the Arranger volume (rhythm, bass, chords etc.) will fall.
2. **To raise the volume of the Arranger, press and hold the top button of the pair.**
You can, of course, also turn the Arranger off completely by pressing both buttons simultaneously. (Turn it back on by pressing both buttons again.)
3. **With the ARRANGER and UPPER buttons, create the best balance between the Arranger and the Upper Tone.**

'One Touch' Programming

If you only read about two buttons on the whole instrument, *these are the ones!*

STYLE INTELL

Press the [STYLE INTELL] button (in the ONE TOUCH PROGRAM Section), select a Music Style and *everything* is set up for you — automatically!

Pressing this button instantly makes all the necessary settings for synchronization, Intro/Endings, Chord Hold, Chord Intelligence, and so on. (The STYLE INTELL function allows you to concentrate on playing rather than pressing buttons.)

** Even though the KR automatically selects a solo voice which it thinks is the most appropriate for the selected Music Style, you may not agree! If you're not happy with the KR's selection, simply choose another Tone for the solo part — any Tone you like (Standard or Expansion). (Just be sure the TONE [SELECT] button is set to UPPER before you begin selecting a new Tone.)*

** Remember: Standard Tone mode; Group + Number (selection) button
Expansion Tone mode; Group + Bank + Number*

PIANO

Press [PIANO] and the KR instantly changes to the Piano mode.

As long as there is no Music Style (or recorded or demo song) playing, pressing this button will take you to the Piano mode — a mode in which all the auto-accompaniment functions are switched off. This allows you to enjoy the KR simply as a piano (with several major advantages!).

Although the KR functions as a 'piano' in this mode, you can, of course, select any Tone you like and add chorus and/or reverb to it.

The Recorder

If you've had the patience to make it this far — *congratulations!* And now that you're a whiz with all of this wonderful technology, you can start taking *full* advantage of the KR — including *recording* your performances.

Recording in the Arranger Mode

1. **Press [STYLE INTELL] and select a Music Style (and a different solo instrument if you like).**
Select SYNC INTELL if you like.¹
2. **Press [REC] (the button indicator will flash).**
3. **Start playing, and recording will begin at the same time.**
Everything you play, and everything you do — press pedals, change Tones for the solo part, turn effects on and off, etc. — will all be recorded with perfect accuracy.

** The KR can record approximately 3,500 notes.
* When the KR's Recorder memory is 90% full, the [REC] indicator will begin to flash. This is a good time to think about concluding your performance!*
4. **When you want to finish your song, you can trigger the Ending phrase by pressing the [INTRO/ENDING] button.**
Recording will automatically stop when the Arranger stops.
5. **Press [PLAY] to play back your performance.**
The button indicator will light during playback and will go out when playback is finished. (Press [PLAY] or [START/STOP] at any time to stop playback.)

¹ The SYNC INTELLIGENCE function can be used to great advantage when recording with the Arranger. As you may recall, the SYNC INTELL function only allows the Arranger to play **while you have notes pressed in the chord recognition area** of the keyboard (see the graphic on page 34). Essentially what this means is that the Arranger 'waits' for you while you search for the right notes (chords) to play next. When you record with this function on, you can take all the time you want to find the next chord. When you finish recording, your song is played back as one continuous performance— without any pauses!

BEYOND The BASICS

Recording in the Piano Mode

You don't necessarily need to use the Arranger to make a recording. If you'd like to record a solo 'piano' (or solo *anything*) piece, just follow these simple steps:

1. Press [PIANO] (to select the Piano mode).
2. Select whatever Tone you'd like to use for your recording.
3. In the BALANCE Section, press the two ARRANGER buttons (top and bottom) simultaneously.
This will turn the Arranger off completely. (The word "OFF" will appear in the display briefly.)
4. Press [SYNC] to turn SYNC START on.
5. Press [REC] (the button indicator will flash).
6. Start playing, and recording will begin instantly.
7. When you are finished recording, press [START/STOP] or [REC].
8. Press [PLAY] to play back your performance.

** If you press and hold the [PLAY] button for at least 1.5 seconds, your recorded song will playback in the LOOP mode, meaning that it will play over and over until you press [START/STOP] or [REC].*

** A Recorder performance will remain in memory for approximately 3 days — even after the main power is turned off. (Turning on the KR every day or two will ensure that a recorded song remains in memory.)*

** The Recorder can only store one performance (or song) at a time. Whenever a new recording is made, the previous recording is completely erased.*

A Final Note

The best way to get the most out of your new instrument — next to working through this manual — is to experiment. The KR is designed so that it would be very difficult to damage simply by pressing different combinations of buttons. It may get a little confused if you try to make it do something it isn't capable of (like very rapid chord changes), but your chances of damaging it are remote. Just use a little common sense!

It is our sincere wish that you and your KR enjoy a long, satisfying relationship!

Roland KR-350 Digital Intelligent Piano

REFERENCE



Tones

Standard Tone Mode

Group A

TONE		
A-1	PIANO 1	(A11 PIANO 1)
A-2	PIANO 2	(A12 PIANO 2)
A-3	HARPSI	(A17 HARPSICHORD)
A-4	E. PIANO	(A15 E. PIANO 1)
A-5	VIBRAPHONE	(A24 VIBRAPHONE)
A-6	E. ORGAN	(A31 ORGAN 1)
A-7	PIPE ORGAN	(A34 CHURCH ORGAN)
A-8	CHOIR	(A75 CHOIR "AAHS")

Tones in this column are found in the Expansion Tone mode.

Group B

TONE		
B-1	STRINGS	(A71 STRINGS)
B-2	BRASS	(A86 BRASS)
B-3	SAX	(B12 ALTO SAXOPHONE)
B-4	FLUTE	(B22 FLUTE)
B-5	A. GUITAR	(A41 NYLON STRING GUITAR)
B-6	E. GUITAR	(A43 JAZZ GUITAR)
B-7	ACCORDION	(A36 ACCORDION)
B-8	FANTASIA	(B41 FANTASIA)

Tones in this column are found in the Expansion Tone mode.

Expansion Tone Mode

Group A

PIANO		BASS	
*A11	PIANO 1	A51	ACOUSTIC
*A12	PIANO 2	A52	FINGERED
A13	PIANO 3	A53	PICKED
A14	HONKY-TONK	A54	FRETLESS
*A15	E. PIANO 1	A55	SLAP BASS 1
A16	E. PIANO 2	A56	SLAP BASS 2
*A17	HARPSICHORD	A57	SYNTH BASS 1
A18	CLAV.	A58	SYNTH BASS 2
CHROMATIC PERC		STRINGS / ORCH	
A21	CELESTA	A61	VIOLIN
A22	GLOCKENSPIEL	A62	VIOLA
A23	MUSIC BOX	A63	CELLO
*A24	VIBRAPHONE	A64	CONTRABASS
A25	MARIMBA	A65	TREMOLO STR
A26	XYLOPHONE	A66	PIZZICATO STR
A27	TUBULAR BELLS	A67	HARP
A28	SANTUR	A68	TIMPANI
ORGAN		ENSEMBLE	
*A31	ORGAN 1	*A71	STRINGS
A32	ORGAN 2	A72	SLOW STRINGS
A33	ORGAN 3	A73	SYNTH STRINGS 1
*A34	CHURCH	A74	SYNTH STRINGS 2
A35	REED	*A75	CHOIR "AAHS"
*A36	ACCORDION	A76	CHOIR "OOHS"
A37	HARMONICA	A77	SYNVOX
A38	BANDONEON	A78	ORCHESTRA HIT
GUITAR		BRASS	
*A41	NYLON STRING	A81	TRUMPET
A42	STEEL STRING	A82	TROMBONE
*A43	JAZZ	A83	TUBA
A44	CLEAN	A84	MUTED TRUMPET
A45	MUTED	A85	FRENCH HORN
A46	OVERDRIVEN	*A86	BRASS
A47	DISTORTED	A87	SYNTH BRASS 1
A48	HARMONICS	A88	SYNTH BRASS 2

Group B

REED		SYNTH SFX	
B11	SOPRANO SAX	B51	ICE RAIN
*B12	ALTO SAX	B52	SOUNDTRACK
B13	TENOR SAX	B53	CRYSTAL
B14	BARITONE SAX	B54	ATMOSPHERE
B15	OBOE	B55	BRIGHTNESS
B16	ENGLISH HORN	B56	GOBLIN
B17	BASSOON	B57	ECHO DROPS
B18	CLARINET	B58	STAR THEME
PIPE		ETHNIC / MISC	
B21	PICCOLO	B61	SITAR
*B22	FLUTE	B62	BANJO
B23	RECORDER	B63	SHAMISEN
B24	PAN FLUTE	B64	KOTO
B25	BOTTLE BLOW	B65	KALIMBA
B26	SHAKUHACHI	B66	BAGPIPE
B27	WHISTLE	B67	FIDDLE
B28	OCARINA	B68	SHANNAI
SYNTH LEAD		PERCUSSIVE	
B31	SQUARE WAVE	B71	TINKLE BELL
B32	SAW WAVE	B72	AGOGO
B33	SYNTH CALLIOPE	B73	STEEL DRUM
B34	CHIFFER LEAD	B74	WOODBLOCK
B35	CHARANG	B75	TAIKO
B36	SOLO VOX	B76	MELODIC TOM
B37	5th SAW WAVE	B77	SYNTH DRUM
B38	BASS & LEAD	B78	REVERSE CYMBAL
SYNTH PAD		SFX	
*B41	FANTASIA	B81	GTR FRET NOISE
B42	WARM PAD	B82	BREATH NOISE
B43	POLYSYNTH	B83	SEASHORE
B44	SPACE VOICE	B84	BIRD
B45	BOWED GLASS	B85	TELEPHONE
B46	METAL PAD	B86	HELICOPTER
B47	HALO PAD	B87	APPLAUSE
B48	SWEEP PAD	B88	GUN SHOT

* Indicates a Tone found in the Standard Tone mode.

Music Styles

Standard Music Style Mode

Group A

Music Style	Beat	Tempo	Intro	End
A-1 BIG BAND (11)	4/4	160	5	5
A-2 BALLAD (21)	4/4	82	4	3
A-3 SWING (27)	4/4	176	8	2
A-4 COUNTRY (36)	4/4	125	8	2
A-5 DIXIELAND (34)	4/4	212	4	4
A-6 DANCE (13)	4/4	120	4	4
A-7 FUNK (14)	4/4	112	4	3
A-8 GOSPEL (16)	6/4	152	4	4

The numbers in brackets () indicate the corresponding Expansion mode Style number.

Group B

Music Style	Beat	Tempo	Intro	End
B-1 POP PIANO (48)	4/4	55	2	2
B-2 STANDARD (22)	4/4	64	1	2
B-3 CONTEMP (23)	4/4	80	2	4
B-4 OLD BALLAD (32)	4/4	60	1	2
B-5 BOSSA NOVA (44)	4/4	120	4	6
B-6 RHUMBA (42)	4/4	120	2	4
B-7 MARCH (45)	4/4	120	2	2
B-8 WALTZ (18)	3/4	75	4	5

The numbers in brackets () indicate the corresponding Expansion mode Style number.

Expansion Music Style Mode

Group A

Music Style	Beat	Tempo	Intro	End
*11 BIG BAND 1	4/4	160	5	5
12 ROCK 1	4/4	114	4	5
*13 DANCE 1	4/4	120	4	4
*14 FUNK 1	4/4	112	4	3
15 R&B 1	4/4	120	1	2
*16 GOSPEL 1	6/4	152	4	4
17 TWIST 1	4/4	164	1	5
*18 POPULAR WALTZ 1	3/4	75	4	5
*21 MODERN BALLAD 1	4/4	82	4	3
*22 STANDARD 1	4/4	64	1	2
*23 CONTEMPORARY 1	4/4	80	2	4
24 BALLAD SHUFFLE 1	4/4	68	3	4
25 SWING POP 1	4/4	120	4	5
26 BLUES 1	4/4	60	2	3
*27 BRUSH SWING 1	4/4	176	8	2
28 JAZZ WALTZ 1	6/4	160	4	3
31 50'S ROCK 1	4/4	195	8	2
*32 OLDIES BALLAD 1	4/4	60	1	2
33 SHUFFLE 1	4/4	170	2	5
*34 DIXIELAND 1	4/4	212	4	4
35 BLUEGRASS 1	4/4	155	3	4
*36 COUNTRY 1	4/4	125	8	2
37 COUNTRY BALLAD 1	4/4	80	4	6
38 COUNTRY WALTZ 1	3/4	86	4	5
41 SAMBA 1	4/4	110	4	4
*42 RHUMBA 1	4/4	120	2	4
43 CHA CHA 1	4/4	125	4	8
*44 BOSSA NOVA 1	4/4	120	4	6
*45 MARCH 1	4/4	120	2	2
46 POLKA 1	4/4	120	2	2
47 FOX TROT 1	4/4	180	2	2
*48 POPULAR PIANO 1	4/4	55	2	2

Group B

Music Style	Beat	Tempo	Intro	End
51 BIG BAND 2	4/4	160	5	5
52 ROCK 2	4/4	114	4	5
53 DANCE 2	4/4	120	4	4
54 FUNK 2	4/4	112	4	3
55 R&B 2	4/4	120	1	2
56 GOSPEL 2	6/4	152	4	4
57 TWIST 2	4/4	164	1	5
58 POPULAR WALTZ 2	3/4	75	4	5
61 MODERN BALLAD 2	4/4	82	4	3
62 STANDARD 2	4/4	64	1	2
63 CONTEMPORARY 2	4/4	80	2	4
64 BALLAD SHUFFLE 2	4/4	68	3	4
65 SWING POP 2	4/4	120	4	5
66 BLUES 2	4/4	60	2	3
67 BRUSH SWING 2	4/4	176	8	2
68 JAZZ WALTZ 2	6/4	160	4	3
71 50'S ROCK 2	4/4	195	8	2
72 OLDIES BALLAD 2	4/4	60	1	2
73 SHUFFLE 2	4/4	170	2	5
74 DIXIELAND 2	4/4	212	4	4
75 BLUEGRASS 2	4/4	155	3	4
76 COUNTRY 2	4/4	125	8	2
77 COUNTRY BALLAD 2	4/4	80	4	6
78 COUNTRY WALTZ 2	3/4	86	4	5
81 SAMBA 2	4/4	110	4	4
82 RHUMBA 2	4/4	120	2	4
83 CHA CHA 2	4/4	125	4	8
84 BOSSA NOVA 2	4/4	120	4	6
85 MARCH 2	4/4	120	2	2
86 POLKA 2	4/4	120	2	2
87 FOX TROT 2	4/4	180	2	2
88 POPULAR PIANO 2	4/4	55	2	2

* Indicates a Style found in the Standard Music Style mode.

Intelligent Chords

The chords on the next few pages are KR *Intelligent* chords, meaning that if you play one or two specified notes (indicated with a ★), the KR will play a full chord (the notes indicated with a ●).

C



C#



D



CM7



C#M7



DM7



C7



C#7



D7



Cm



C#m



Dm



Cm7



C#m7



Dm7



Cdim



C#dim



Ddim



Cm7 (b5)



C#m7 (b5)



Dm7 (b5)



Caug



C#aug



Daug



Csus4



C#sus4



Dsus4



C7sus4



C#7sus4



D7sus4



Intelligent Chords

While the chords indicated in the shaded areas are not Intelligent chords, they are quite useful and we have provided them for your reference.

E \flat



E



F



E \flat M7



EM7



FM7



E \flat 7



E7



F7



E \flat m



Em



Fm



E \flat m7



Em7



Fm7



E \flat dim



Edim



Fdim



E \flat m7 (b5)



Em7 (b5)



Fm7 (b5)



E \flat aug



Eaug



Faug



E \flat sus4



Esus4



Fsus4



E \flat 7sus4



E7sus4



F7sus4



Intelligent Chords

F#



G



A \flat



F#M7



GM7



A \flat M7



F#7



G7



A \flat 7



F#m



Gm



A \flat m



F#m7



Gm7



A \flat m7



F#dim



Gdim



A \flat dim



F#m7 (b5)



Gm7 (b5)



A \flat m7 (b5)



F#aug



Gaug



A \flat aug



F#sus4



Gsus4



A \flat sus4



F#7sus4



G7sus4



A \flat 7sus4



Intelligent Chords

A



Bb



B



Am7



Bb M7



Bm7



A7



Bb 7



B7



Am



Bb m



Bm



Am7



Bb m7



Bm7



Adim



Bb dim



Bdim



Am7 (b5)



Bb m7 (b5)



Bm7 (b5)



Aaug



Bb aug



Baug



Asus4



Bb sus4



Bsus4



A7sus4



Bb 7sus4



B7sus4



Manual Drums List

This is the **Standard Set** of percussion and SFX sounds (as indicated on the MANUAL DRUMS template). The sounds actually played may vary depending on the currently selected Music Style.

E1 (Note Number 28)	Slap	
	Scratch Push	Scratch Pull
	Sticks	Square Click
	Metronome Click	Metronome Bell
	Kick Drum 2	
	Kick Drum 1	Side Stick
	Snare Drum 1	Hand Clap
	Snare Drum 2	
	Low Tom 2	Closed Hi-hat
	Low Tom 1	Pedal Hi-hat
E2 (Note Number 40)	Mid Tom 2	Open Hi-hat
	Mid Tom 1	
	High Tom 2	Crash Cymbal 1
	High Tom 1	Ride Cymbal 1
	Chinese Cymbal	
	Ride Bell	Tambourine
	Splash Cymbal	Cowbell
	Crash Cymbal 2	Vibra Slap
	Ride Cymbal 2	
	High Bongo	Low Bongo
E3 (Note Number 52)	Mute High Conga	Open High Conga
	Low Conga	
	High Timbale	Low Timbale
	High Agogo	Low Agogo
	Cabasa	Maracas
	Short Hi Whistle	
	Long Low Whistle	Short Guiro
	Long Guiro	Claves
	High Wood Block	
	Low Wood Block	Mute Cuica
E4 (Note Number 64)	Open Cuica	Mute Triangle
	Open Triangle	Shaker
	Jingle Bell	
	Belltree	Castanets
	Mute Surdo	Open Surdo
	Applause	
	Laughing	Screaming
	Punch	Car Pass
	Train	Gun Shot
	Explosion	
E5 (Note Number 76)	Dog Bark	Horse Gallop
	Birds	Rain
	Thunder	
	Wind	Seashore
	Stream	
E6 (Note Number 88)		
E7 (Note Number 100)		

Percussion
Sounds

Special
Effects
Sounds

Demo Song Information

Song Titles

- | | | | |
|---|--|---|--|
| 1 | <i>Straight Row</i>
by Marvin Sanders
(style: Big Band) | 5 | <i>Mascot</i>
by Marvin Sanders
(style: March) |
| 2 | <i>Golden</i>
by Ichi Ito
(style: 50'S Rock) | 6 | <i>Town Square</i>
by Marvin Sanders
(style: Bluegrass) |
| 3 | <i>Candy</i>
by Ichi Ito
(style: Popular Piano) | 7 | <i>Joe's Revival</i>
by Marvin Sanders
(style: Gospel) |
| 4 | <i>Summer Etude</i>
by Mark Van Der Sluis
(style: Ballad) | 8 | <i>Yellow</i>
by Ichi Ito
(Style: Blues) |

Composer Profiles

Marvin Sanders

Copyright ©, Marvin Sanders

Marvin Sanders is a somewhat wacky Los Angeles composer whose work can be heard on projects for Toyota, Acura, Max Factor, Alpine, Thomas Brothers, Theatre for Young Audiences, and Michael Jackson. He has also worked extensively with Roland, conducting clinics and writing music for numerous product videos and demos, including ROM-plays in the SC-155 and JV-880.

Seiichi Itoh

Music by Seiichi Itoh Copyright ©1992, by Roland Corporation

His life has thus far been a story of remarkable achievements, beginning with winning an electric organ contest while still in junior high school. At the time he entered university, he was an active participant in the business of a Japanese record company. Afterwards, a period as a keyboard instrument advisor for Roland lead to his being taken on as a full-time employee. He has performed in 137 cities overseas, and 200 within Japan. He resigned from Roland in 1987 to establish his own music school. Currently, while managing his company's "Studio Ichi," he serves as an advisor to Roland concerning development of new electronic musical instruments, and assists with their promotion.

Mark Van Der Sluis

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Mark is a natural musician with no formal music training. Since the age of 12, he has been composing and performing as a professional keyboard player, involved in studio recordings, television and live performances. Mark joined Roland New Zealand in 1989 as a Product Specialist, and continues to be actively involved in promotional performances, product demonstration and clinics.

Default Settings

Every time you turn on the KR, the following settings will be in effect. These are the Piano's *default* settings. (A song stored in the Recorder will be retained in memory for about 3 days — even after you've turned the power off.)

Master Tune

0 (A=440 Hz)

Transposition

C (None)

BALANCE Section

Arranger: 60

Lower: 60

Upper: 100

Effects

Reverb: On

Chorus: Off

Sync

Off

Keyboard Mode

Split: Off

Split Point: Arranger: A \flat 3

Lower: A \flat 3

Melody Intelligence

Off

Chord Intelligence

Off

Chord Hold

Off

Intro/Ending

Off

Tempo

160 bpm

One Touch Program

Style Intelligence: Off

Tone Select

Upper: On

Upper Tone: A-1 (PIANO 1)

Lower Tone: B-1 (STRINGS)

Music Style

Variation: Off

Music Style: A-1 (BIG BAND)

Demo mode

Off

Expansion mode

Off

Recorder

REC: Off

PLAY: Off

Troubleshooting

From time to time you may encounter situations in which the KR does not appear to be functioning properly. If such is the case, refer to the information below. If you are unable to correct the problem, contact your Roland retailer or the nearest Roland Service Centre (see the list on page 60).

Q Why is there no sound?

- A**
- Is the VOLUME slider set at "MIN"?
 - Are headphones connected to the PHONES jack? (Connected headphones will cut off the KR's internal speakers.)
 - Is the BALANCE setting for a part (ARRANGER, LOWER or UPPER) set to "0" or turned "OFF"?
 - If the KR is turned on and off rapidly, it may get confused! Turn it off, wait for a few seconds and then turn it back on. It should function normally.

Q Why are some of my melody notes not played?

- A**
- Although the KR can play up to 24 voices (sounds) at once, it may have to 'steal' voices from the Upper section of the keyboard if the auto accompaniment part becomes very complex (that is, it uses a lot of voices).

Q Why don't the Damper and Soft pedals have any effect?

- A**
- Are the pedals properly connected to the KR? Refer to the assembly diagram on page 2.

Q Why can't I play the Tones or Music Styles I've selected?

- A**
- Is the KR in the Expansion mode? Remember that Tones and Music Styles are selected using different procedures while in this mode. Refer to pages 19 and 33.

Q Why are there no sounds produced when I play the Lower section of the keyboard?

- A**
- When the KR is in the Piano mode and you press [SPLIT] (so the ARRANGER indicator lights), you won't hear anything when you play in the Lower section of the keyboard. If you want to play in the Arranger mode, press [STYLE INTELL] and select a Music Style. If you want to play in the Split Keyboard mode, press [SPLIT] again (so the LOWER indicator lights). Or to cancel everything, press [PIANO] to return to the Piano mode.
 - Is the BALANCE setting for the Arranger set to "0" or turned "OFF" altogether? Raise the volume for the Arranger, or turn it back on.

Q Why do the notes I play sound with an incorrect pitch?

- A**
- Are either of the Master Tune or Transpose functions set? (These functions affect the overall pitch of the KR.) If either button indicator is lit, some pitch change is currently in effect.

Q What will happen to my song if the power supply to the KR is interrupted during recording?

- A**
- Unfortunately, in the occurrence of such an event (pressing the [POWER] switch, accidentally kicking the AC cord out of the wall socket, or a power failure), all the data in the Recorder will be lost.

Q Why is the song I recorded a few days ago no longer in memory?

- A**
- Data in the Recorder will only be retained in memory for approximately 3 days. After that, it will disappear. Unfortunately, there is no way to recover such data. If you wish to save your performances indefinitely, you'll need to record them on computer floppy disk using an external device called a MIDI Sequencer. (A temporary solution is to turn the KR on every day for a few seconds — this 'recharges' the piano's memory circuits.)

MIDI Implementation Chart

INTELLIGENT PIANO

Model KR-350

Date : Jan. 20 1993

Version : 1.00

Function		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	1, 2, 3, 4, 5, 10 X	1, 2, 3, 4, 5, 10, 16 X	
Mode	Default Messages Altered	X X *****	Mode 3 X	
Note Number	True Voice	0 -127 *****	0 - 127 0 - 127	
Velocity	Note ON Note OFF	O X	O v=1-127 X	
After Touch	Key's Ch's	X X	X X	
Pitch Bender		O	O	
Control Change	0, 32 1 7 10 11 64 67 91 93 121 other	O O O O O O O O O X X	O O O O O O O O (Reverb) O (Chorus) O X	Bank Select Modulation Volume Panpot Expression Hold 1 Soft Effect 1 Depth Effect 3 Depth Reset All Controllers
Prog Change	True #	O *****	O 0 - 127	1-128
System Exclusive		X	O	
System Common	Song Pos Song Sel Tune	X X X	X X X	
System Real Time	Clock Commands	O O	O O	FA, FC
Aux Messages	Local ON/OFF All Notes OFF Active Sense Reset	X X O X	X O 123-127 O X	
Notes		* Ch. 4=Upper; Ch. 3=Lower; Ch. 5=Accomp.1; Ch. 1=Accomp.2; Ch. 2=Accomp. Bass; Ch. 10=Drums; Ch. 16=Chord Recognition		

Mode 1 : OMNI ON, POLY
Mode 3 : OMNI OFF, POLY

Mode 2 : OMNI ON, MONO
Mode 4 : OMNI OFF, MONO

O : Yes
X : No

Roland KR-350 Digital Intelligent Piano

Keyboard

76 keys; velocity sensitive

Sound Source

RS-PCM Process

Parts

Drums, Upper, Lower,
Bass, Accompaniment 1/2

Maximum Polyphony

24 voices

Tones

Standard mode: 16
Expansion mode: 128
Manual Drums mode: 60 + 16 SFX

Digital Effects

Reverb and Chorus

Music Styles

Standard Mode: 16
Expansion Mode: 64

Pedal Controls

Damper and Soft pedals attached to the Piano
stand (sold separately)

Recorder

Tracks: 1
Songs: 1
Memory capacity: approx. 3,500 notes
Memory Backup: approx. 3 days

Demo Songs

8

Display

3 character (7 segment) LED

Connectors

PHONES Jack
OUTPUT Jacks (L/R)
INPUT Jacks (L/MONO, R)
MIDI Connectors (IN/OUT)
SOFT Pedal Jack
DAMPER Pedal Jack
AC Inlet

Speakers

16cm x 2

Rated Power Output

10W x 2

Power Supply

AC 117 / 230 / 240V

Power Consumption

35W (AC117V) / 30W (AC230V) / 30W (AC240V)

Finish

Simulated Brazilian Rosewood

Dimensions

KR-350:

1274 (W) x 413 (D) x 141 (H) mm
50-3/16 (W) x 16-5/16 (D) x 5-9/16 (H) inches

Stand (KRS-350):

1276 (W) x 390 (D) x 638 (H) mm
50-1/4 (W) x 15-3/8 (D) x 25-1/8 (H) inches

Overall:

1276 (W) x 413 (D) x 769 (H) mm
50-1/4 (W) x 16-5/16 (D) x 30-5/16 (H) inches

Weight

KR-350:

17.7 kg / 39 lbs

Piano Stand (KRS-350):

13.6 kg / 30 lbs

Combined:

31.3 kg / 69 lbs

Accessories

Owner's Manual
Power Cord
Music Rest
Manual Drums Template

Options

Piano Stand (KRS-350)
Piano Stool (W-7R)
Headphones: (RH-20/80/120)
MIDI/SYNC Cable: (MSC Series)

Index

A

AC Inlet 2, 3, 10
 Arranger 4, 7, 32, 36, 39
 Arranger mode, Recording in 41
 ARRANGER ON/OFF Buttons 6, 25, 39, 42
 Assembling the Piano Stand (KRS-350) 2
 Attaching the Music Rest 3
 Audio Connectors 10

B

BALANCE Section 6, 25
 ARRANGER ON/OFF Buttons 6, 39
 LOWER ON/OFF Buttons 6, 25
 UPPER ON/OFF Buttons 6, 25, 39
 Bank Selection (GBN) 21, 24
 BENDER Wheel 16

C

CHORD HOLD Button 7, 39
 Chord Hold Function 39
 CHORD INTELL Button 7, 38
 Chord Intelligence Function 38
 Chord Recognition Area 34, 36, 37
 Chorus 22
 Connecting the Power Cord 3

D

DAMPER Jack 2, 10
 Damper Pedal 10, 23
 DEMO Button 5, 9
 Demo Song Playback 5
 To hear a specific Demo Song 5
 Digital Effects 22
 Display, The 8
 Drums, Manual 22, 37
 Drums, Manual; List 52
 Drums, Manual; Template 3

E

EFFECTS Button 6, 22
 Ending (INTRO/ENDING) Function 4, 37, 41
 EXPANSION Button 9, 19, 21, 24
 Expansion mode, Music Style 33, 34, 47
 Expansion mode, Tone 19, 24, 46

F

FILL IN
 TO ORIGINAL Button 6, 35
 TO VARIATION Button 6, 35, 37

G

GROUP Button (MUSIC STYLE Section) 8, 34
 GROUP Button (TONE Section) 9, 18, 21
 Groups (A & B)
 Music Style 33, 34
 Tone 18, 19, 20, 21, 24

I

INPUT Jacks 10
 INTRO/ENDING Button 7, 37, 41
 Intro/Ending Function 7, 37

K

Keyboard
 Lower Tone 23, 24
 Split 23
 Upper Tone 23, 24
 KEYBOARD MODE Section 7
 CHORD HOLD Button 7, 39
 CHORD INTELL Button 7, 38
 MELODY INTELL Button 7, 39
 SPLIT Button 7, 22, 23, 37
 ARRANGER Indicator 7, 32, 37
 LOWER Indicator 7, 23
 M. DRUMS Indicator 7, 22, 37

L

LOWER ON/OFF Buttons 6, 25
 Lower Tone 23, 24

M

Manual Drums 22, 37, 52
 Manual Drums Template 3
 Master Control Section 6
 TRANPOSE Button 6, 27, 28, 29
 TUNE Button 6, 26
 VOLUME Slider 4, 6, 16
 Master Tuning 26
 MELODY INTELL Button 7, 39
 Melody Intelligence Function 39
 MIDI Connectors 10
 Modes
 Arranger ('One Touch' Programming) 32, 40, 41
 Demo Song Playback 5
 Expansion, Music Style 33, 34
 Expansion, Tone 19
 Manual Drums 22, 37
 Piano 16, 40, 42
 Split Keyboard 23
 Moving the Instrument 3
 Music Rest 3
 MUSIC STYLE Section 8
 GROUP Button 8, 34
 Selection Buttons (1-8) 8, 33, 34
 VARIATION Button 8, 35
 Music Style Tempo 37
 Music Styles 32, 33, 47

N

Number (GBN) 21, 24

O

OFF (SYNC Intelligence) 36
 ONE TOUCH PROGRAM Section 8
 PIANO Button 8, 16, 40, 42
 STYLE INTELL Button 8, 33, 40, 41
 One Touch Programming 4, 40
 OUTPUT Jacks 10

P

Panel Descriptions
 Front (Left) 6 & 7
 Front (Right) 8 & 9
 Rear 10
 PEDAL Jacks 2, 10
 PHONES Jack 16
 PIANO Button 8, 16, 40, 42
 Piano mode 16, 40
 Recording in 42
 PLAY Button 9, 41, 42
 Playback
 Demo Songs 5
 Recorder Song 41, 42
 Power Cord 2, 3
 Power ON! 16

Q

Quick Start! 4

R

RECORDER Section 9
 PLAY Button 9, 41, 42
 REC Button 9, 41, 42
 Recording
 Arranger mode 41
 Piano mode 42
 Reverb 22

S

SELECT Button (TONE Section) 9, 24
 Selecting Music Styles 33, 34
 Selecting Tones
 Expansion Tone mode 19
 Standard Tone mode 17
 SOFT Jack 2, 10
 SPLIT Button 7, 22, 23, 37, 39
 ARRANGER Indicator 7, 32, 37
 LOWER Indicator 7, 23, 24
 M. DRUMS Indicator 7, 22, 37
 Split Keyboard mode 23, 24
 Lower Tone 23, 24
 Upper Tone 32, 24

Standard Tone mode 17
 START/STOP Button 5, 7, 34, 41, 42
 STYLE INTELL Button 8, 33, 40, 41
 SYNC Button 6, 36
 INTELL Indicator 36
 START Indicator 36
 SYNC Intelligence
 INTELL 36
 OFF 36
 START (SYNC START) 36

T

TEMPO Buttons 7, 26, 37
 TONE Section 9
 GROUP Button 9, 18, 21
 SELECT Button 9, 24
 Selection Buttons (1-8) 9, 17, 19, 20, 21
 Tones 17, 19, 46
 TRANSPOSE Button 6, 27, 28, 29
 Transpose Function 27
 Lowering the overall pitch by an octave 29
 Raising the overall pitch by an octave 29
 TUNE Button 6, 26
 Tuning, Master 26

U

UPPER ON/OFF Buttons 6, 25, 39
 Upper Tone 23, 24, 25, 39

V

VARIATION Button 8, 35
 Volume Balance 25, 39
 VOLUME Slider 4, 6, 16

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Hiermit wird bescheinigt, daß der/die/das

Roland DIGITAL INTELLIGENT PIANO KR-350

(Gerät. Typ. Bezeichnung)

in Übereinstimmung mit den Bestimmungen der

Amtsbl. Vfg 1046/1984

(Amtsblattverfügung)

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